

9-17-1974

Newspeak Volume 02, Issue 13, September 17, 1974

The Students of Worcester Polytechnic Institute

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Dining Hall — Worth the Wait

by Ellen L. King

Monday morning, after a breakfast of cold cereal and coffee (and half fried eggs and juice), I walked up the flight of stairs leading to the second floor in Boynton. After taking a deep breath, I asked the secretary in the office at the end of the hallway if I could speak with Chuck Cochran.

The first question my gurgling stomach prompted me to ask of the man sitting across the table from me, of course, when will the new dining facilities in Morgan be completed?

An amused expression of "I don't know," Mr. Cochran replied, "There are two opinions on this. One is from the optimist's point of view. They say it will be completed by the end of term A. The

pessimists, however, don't expect it to be open until December 1. So, take your pick." In an effort to compromise, let's expect it some time in between.

The blue print for the cafeteria and adjoining facilities were very impressive. Some of the features it promised were several dining rooms spacious enough to hold four hundred people — the largest overlooking the athletic fields; a large, well equipped kitchen which will contain a variety of ovens and grills among other utensils; two small private dining rooms and a staff dining room and a pantry, and several other rooms and facilities.

One of the most interesting things about the new cafeteria will be its serving room. This room will enable the serving of two different meals, have a beverage bar, and is

also designed to eliminate waiting lines. Mr. Cochran said that chaos will probably reign for a week or so but as we get used to the new system, it should work most effectively. This in itself is a good enough reason to be patient about the cafeteria's completion. No more five o'clock dashes to Harrington every night!

One other addition which will be of particular interest and importance to the students is the Snack Bar. This will be open from 9 a.m. until 11 p.m. and will offer such foods as soft ice cream confections and an assortment of hot entrees. This might eliminate the need for so many late night pizza deliveries. The Wedge will probably be more frequented as the Snack Bar will be located just

behind the temporary Snack Bar which is now located there.

This, with the exception that the floors will be covered with copper-umber carpeting, is the Morgan renovation in a nut shell. Although

eating in Harrington is inconvenient, the new facilities promise to be worth the inconvenience. And, after all, we only have until Thanksgiving to wait.

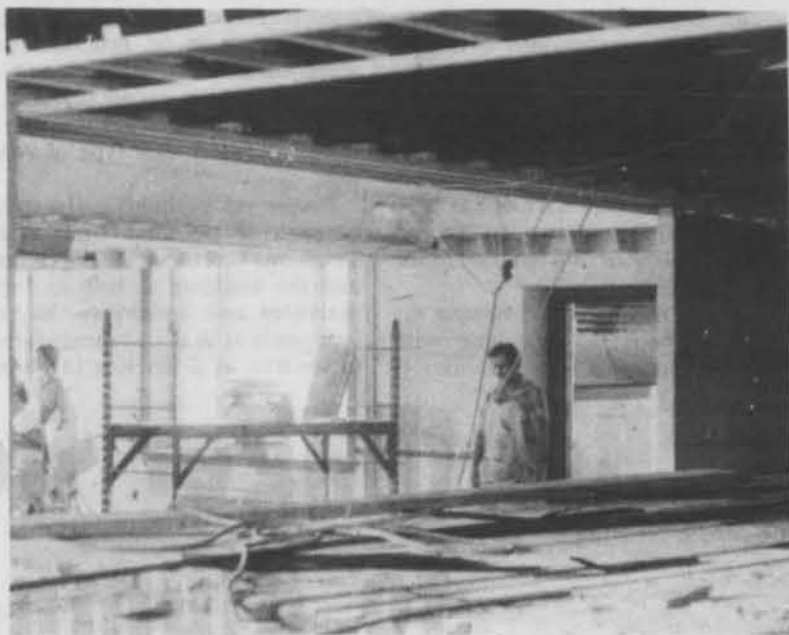


Photo by Scobey Taber

Dining Hall Construction



NEWSPEAK

Tuesday, Sept. 17, 1974 Vol. 2, No. 13

Apology to Pub Workers

I would like to apologize, on behalf of Newspeak and myself, for the omission of several important names in last week's article on the renovation of the Goat's Head Pub.

Those omitted were Rusty Hunter, Jack Watters, Eric [unclear], Don Weymouth, Bob Salter, Craig Laisenby, and notably Jon Wyman, who helped make this correction complete (I hope!).

I'm sorry if my carelessness caused any bad feelings, and that, in the long run, it won't deter from anyone's satisfaction over a job extremely well done.

Again, my most humble apologies.

Doug Knowles, News Editor

The Goat's Head Pub

cordially invites all members

of the WPI community
to attend

**Women's Night at
the Pub**

beginning at 7 p.m.

**on Wednesday,
September 18, 1974**

Beer, Wine Coolers, and Coke available
WPI only — I.D. required

The WPI Plan

(Reprint from Worc. Telegram Sat., Sept. 7, 1974)

If the average Worcester resident five years ago had been asked which local college was most apt to come up with revolutionary ideas in education, he might have picked Clark, Holy Cross or Assumption.

But, although all have shown those a good deal of innovation and imagination in the academic field, it is Worcester Polytechnic Institute that seems to be getting the most national attention.

The latest article on the "WPI Plan" appears in Business Week. "The plan, educators agree, is the most ambitious attempt currently under way at any U.S. college to reform the education of engineers," says Business Week. The article says that the plan is arousing intense interest and controversy in engineering and academic in engineering and academic circles across the country.

Critics of the plan say that it does not put enough stress on traditional engineering disciplines. Instead of taking prescribed courses of study, Tech students choose their own courses and are given only "pass-or-fail" grades. Tech has four seven-week semesters instead of the usual two semesters. In order to graduate, each student must complete a major project in the larger community, such as the blood-flow monitor project that some Tech students are running at St. Vincent Hospital, or the study of anti-skid braking systems that other students are doing at the research center of Liberty Mutual Insurance Co. in Hopkinton.

Does the plan produce qualified engineers? Evaluations are still tentative. But it apparently does help fit students for jobs, which is one of the important purposes of a technical education. And, according to some, it gives students a

perspective and background that the old system did not provide. The Ford Foundation is so impressed with the "humanistic component" of the WPI Plan that it has awarded Tech a \$180,000 grant this year. The National Science Foundation has contributed \$733,400.

Nobody, particularly at Tech, pretends that the plan is working perfectly. It is constantly being revised and improved. Even so, some faculty members have deep doubts about the concept.

Nevertheless, it seems clear that Worcester Tech has pioneered in a direction that had to be explored. As a result, it has become a center of national attention. Whatever the drawbacks of the plan may be, they seem counterbalanced by the new feeling of innovation and excitement on the old campus off Institute Road.

Home Coming Queen Contest

Open to all WPI coeds

CLUBS, SOCIETY GROUPS AND
FRATERNITIES

Please consider your candidate nomination and
watch for more details!

New Assistant Mgrs. for Pub

(Chosen by
Board of Direct.)

★ Rusty Hunter

★ Rich Brandoli

Bartenders

Notified by
Mail.

Letters:

Please note that the name of this publication is WPI NEWSPEAK, formerly THE TECH NEWS. Thank you.

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Worcester Art Museum

Irish directions of the 70's" will begin American tour at Worcester Art Museum from September 13 to October 20.

Thirty-eight works in painting, sculpture, and tapestry by 18 major artists of Ireland will open the fall season at the Worcester Art Museum. The new exhibition, "Irish Direction of the 70's," will come directly from Ireland to Worcester for its premiere American showing September 13 — October 20. The exhibition will then tour 11 other institutions concluding in January, 1976, in New York City.

The exhibition is held under the patronage of the Consul General of Ireland in Boston, Cornelius Ward. Drawn from both the North and South of Ireland, the showing was seen at the Ulster Museum in Belfast and the Municipal Gallery of Modern Art in Dublin earlier this summer. International coordinators for the collection are Ms. Patricia Molyneux of Dublin and Mrs. Catherine Weeden of Cambridge, Massachusetts.

"Irish Directions of the 70's" presents clear evidence that a whole body of modern Irish painting has broken away from the traditions of the 1940's and 1950's characterized by figure painting and romanticized views of the Irish countryside. New and strong paintings, many on very large canvases and using geometric shapes, express a decisive and energetic awareness of the future directions of contemporary Irish art.

The current showing documents an expanding wave of creativity expressed by a group of restless and perceptive artists who are seeking to re-think traditional attitudes and define new directions. As in other areas of Irish life, an artistic renaissance has taken place in the past decade which has brought some painters back to Ireland from abroad.

Louis le Brocqy left Ireland in 1947 and lived chiefly in the south

of France. He has now returned with his artist wife, Anne Madden, whose work is also shown. Many of le Brocqy's paintings are in American collections, but he is less well known for his splendid tapestries such as those shown in "Irish Directions." Eric van der Grijn came to Ireland from Holland ten years ago, and Alexandra Wejchert left her native Poland in 1965.

It is especially noticeable that this exhibition takes a strikingly different course from the showing which traveled to the United States two years ago under the title, "The Irish Imagination, 1959-71," and which concentrated on a more poetic genre. Even at that time, another group of artists were pursuing a more individual and less popular vein of expression. It was they who prepared the way for the emergence of a great, new type of creativity in the 1960's. These innovations and ideas which reached full maturity in the last decade are presented in the current "Irish Directions of the 70's."

An illustrated exhibition catalogue is available at the Museum Shop priced at \$2.00 (Museum members \$1.80.) Free public gallery tours are offered on Wednesdays and Saturdays at 1:30 p.m. during the entire period of the exhibition.

"Irish Directions of the 70's" has an overall suggestion of muted colors and dark canvases, reflecting the fact that Ireland's artists work today in troubled times. At the same time, there is use of strong color like the vivid stripes in van der Grijn's "Yellow Preserve" and the spectrum of greens in Patrick Scott's "Arcady 4."

Among younger artists are Robert Ballagh with life-sized figures in "Pop" art tradition on painted plywood and acrylic; Brian King with immaculate, highly burnished sculptures in aluminum and wood; Tim Goulding using more abstract

feeling in two very large canvases done in crayon and acrylic; Brian Henderson's two acrylic paintings, "Summer I" and "Summer II," both 7 feet high by 10 feet wide, and Michael Farrell's two recently completed works in plastic paint and wood which are part of his "Pressee" series.

Longer established artists like Patrick Scott, Louis le Brocqy and Barrie Cooke have shifted emphasis to combine earlier romanticism with a compulsive force built up by new and more positive developments. All three are known in American collections such as The Museum of Modern Art, The Detroit Institute of Art, and Albright-Knox Art Gallery, among others. Scott has a brilliantly colored Aubusson tapestry in the current show, like the two tapestry works of le Brocqy, "Cuchulainn II" and "Cuchulainn III," each patterned with a repeating oval form in various color combinations.

Newer artists like Deborah Brown, Anne Madden, and Evin Nolan epitomize the confidence and directed energies of this decade. Brown shows three works in glass fibre, all recent accomplishments, and Madden is represented with two large works, "Megalith 5" and "Monolith 3," in polymer acrylic emulsion on cotton duck. Nolan has two shaped works of plywood, canvas and acrylic, "Rectangle Swivel Game" and "Green Touch," both done in 1974.

Sponsors of "Irish Directions" are The Cultural Relations Committee of the Department of Foreign Affairs in Ireland; Irish Export Board; Aer Lingus; The Irish Tourist Board and the Consulate General of Ireland in Boston.

Museum Hours: Tuesdays through Saturdays, 10 a.m. - 5 p.m.; Sundays 2-6 p.m.

Exhibition photographs available from Public Relations Office, Worcester Art Museum, Worcester, Massachusetts 01608.

WHAT'S UP?



Tuesday, September 17

FUND BOARD MEETING Higgins House, 4:30 p.m. WPI
Alcoholism Awareness program (film and speaker), F119, 12:40 p.m.
Mrs. Warren Richards, Executive Director, Worcester County Council on Alcoholism. Anna Maria

Wednesday September 18

FINE ARTS COMMITTEE, Film-Alcoholism Awareness Week, "Conspiracy of Silence" narrated by Rod Serling, Seminar Room, Gordon Library, 8 p.m. WPI
Faculty Meeting, Miriam Hall, 4:30 p.m. Anna Maria
Holy Cross Women's Club (formerly Holy Cross Faculty Wives' Club): Reception for newcomers, Hogan 320, 8 p.m. Holy Cross

Thursday, September 19

CHRISTIAN BIBLE FELLOWSHIP Janet Earl Room, 7:30 p.m. WPI

Saturday, September 21

ALUMNI EXECUTIVE COMMITTEE MEETING Seminar Room, Gordon Library, 9:30 a.m.
+FOOTBALL at Union, 1:30 p.m.
+SOCCER at Babson, 2 p.m.
+JUNIOR VARSITY SOCCER vs. Worcester Junior College, 2 p.m., Home Game. WPI
Silva Mind Control Classes, Foundress Lounge, 9 a.m. — 9:30 p.m. Anna Maria
Varsity football, home, Brown, Fitton Field, 1:30 p.m. Holy Cross

Sunday, September 22

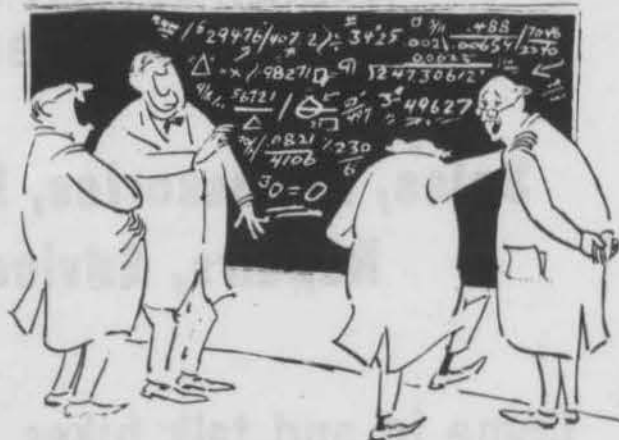
INDIAN MOVIE Alden Aud. 3 p.m.
MASSES, to be announced. WPI
Charismatic Day of Ceneval — sponsored by Diocese of Worcester, 1 to 6:30 p.m. (Classrooms in Cardinal Cushing Hall and Auditorium will be used)
Fathers' Club Meeting, President's Dining Room, 3 p.m. (1st meeting of year — all fathers of students are welcome!). Anna Maria
Silva Mind Control Session, Foundress Lounge, afternoon.
Ecumenical Walk to top of Mt. Wachusett, sponsored by Worc. Area churches. Lunch, 1 p.m., walk starts at 2 p.m. (AMC students and faculty welcome to participate — watch for posters on this). Anna Maria

Monday, September 23

FINE ACTS COMMITTEE "The Compassionate Cop" (David Toma) Alden Auditorium, 8 p.m. WPI
Exhibit of Books and Prints from Isaiah Thomas Bookstore, 10 a.m. to 5 p.m. (Location to be announced.) Anna Maria

Tuesday, September 24

+SOCCER vs. AIC, 3:30 p.m.
+JUNIOR VARSITY SOCCER at Leicester Junior College, 3:30
CINEMATECH The Chaplin Classics, The Great Dictator, Alden Auditorium, 7:30 p.m. WPI
Speaker: Herbert Aptheker, "U.S. Foreign Policy: A Marxist Critique," Hogan Ballroom, 8 p.m. Holy Cross



"I thought you guys would get a kick out of it!" MARVIN TANNENBERG

classified

FOR SALE: Excellent condition, Drake 2B 5 Band communications receiver with Q multiplier. \$125. See Ed in E01 or Box 915 now.

ANYONE want to Jam? I'm looking for anyone who enjoys playing (rock-oriented) music but can't or doesn't want to put time in a band. I just enjoy playing. 6-string electric—acoustic. John Cheney, 791-7707.

WANTED: Old guitar's, banjo's and Mandolin's. See Jeff in F23 or Box 1707.

WANTED: New or Used, small refrigerator at the right price. Box 905.



FREE CLASSIFIEDS

Newspeak Classifieds P.O. Box 2472

Help Wanted
for
Newspeak
Circulation
See any editor

Attention
Readers:

When submitting articles through the Newspeak Box No. be sure to mail in the mailroom by Fri. morning. Otherwise drop material off in Riley 108.

Something nourishing
for you to eat
the garden
of delights
113c highland st.
752-7048



Watch
for
Jack
Anderson
Column

WICN Lives for A While

Contrary to popular belief, WICN has not ceased to exist. But it is not well. For those who do not know, WICN is a public radio station which runs the same way as the PBS stations do. It was originally set up by Holy Cross and WPI. Eventually Holy Cross set up its own station and dropped support of WICN. Two years ago, the Newspeak lashed out at WICN, claiming that they had few listeners and weren't worth the money granted to them. The next time the budget came up, WICN lost 1/3 of its funds from the Student Activity Board.

WICN was able to survive for a while on donations. Last year they made a rather pathetic plea for funds on the air. The fund drive was unsuccessful. But the station

was able to stay on the air until August 1974.

In August WICN went off the air and started a fund raising drive. The station found that August was a poor month to raise money, so they postponed the drive to September. They are approaching local business men and plan to do extensive fund raising at WPI. They hope to obtain help from the fraternities on campus. They also receive money from government agencies.

Although WICN is off the air, their license is not in danger. The FCC is very liberal with public radio stations. So if WICN can raise the \$15,000 they need, they will be back on the air.

S. B. Fine

N.S.F. Grant

Worcester Polytechnic Institute has received a grant of \$54,000 from the National Science Foundation for research on an energy-related project, entitled "Conversion of Fossil Fuels to Liquid Fuels."

Dr. Imre Zwiebel of the Department of Chemical Engineering, who will direct the project, said the grant will cover study for 16 months, on the conversion of coal to sulphur-free fuels.

He said the research will be a three step procedure

from coal to gas, to purification of the gas derived, and then conversion to oil or useable fuel gases.

Dr. Zwiebel, who has just returned to WPI after a year's leave while he was associated with the Department of Chemical Engineering at The Technion, Haifa, Israel, said the project is part of a long line of continuing research at WPI on the removal of sulphur from combustible fuels.

Watch
for
Quote
of
the
Week!



Photo by Scobey Taber

Some of the few faculty awake at last Thursday's faculty meeting.

On Friday, Sept. 13, 1974 the Campus Hearing Board found a student guilty of misappropriating approximately \$400.00 worth of various Gordon Library materials. The student was suspended for Term A 1974.



Photo by Scobey Taber

the bike shop

235 Lincoln St.
Worcester, Ma.
755-1691



NOW IN STOCK:

Kryptonite locks
Suntour derailleurs
Cannondale bags
Barreccrafter car racks
Dura Ace brakes
Sr. stems
Perelli tubular tires
Cool Gear clothing (shirts, gloves, etc.)
Bicycling magazine

Also see our stock of imported bikes

French JUNET &
Japanese SEKINE Bikes

Sales, Accessories, Parts,
Repairs, Advice

Come in and talk bikes anytime.

10-6
10-8
10-5

Daily
Wed.
Saturday

Students take advantage of trial
West Street closing. By the end
of September the city of Worcester
is expected to begin hearings on the
final closing of the street.

Renovation of Salisbury

In The Public Interest

By Ralph Nader

by Rory O'Connor
Tech students return from
recess, they will
the beginning of a change
the campus. Salisbury
will undergo partial
starting in January as
a planned renovation of the
A feasibility study has
been completed under the
of Anselvicius Rupe
of Cambridge. The
plans should be com-
and the building ready for
by late June or early
1976.
The main feature of the new
is open, light offices
glass front panels to ob-
the effect. The ground floor
occupied by the Humanities
in a way that will
the department more
and centralized. The
floor will contain many in-
features such as an in-
greenhouse in connection with
atrium mall between Wash-
and Salisbury. There will also
large student lounge with

vending machines and lockers for
commuters, and a new and larger
faculty lounge and kitchen.
The first floor will also contain
identifiable areas for the depart-
ment of continuing education and
the evening division making them
integral parts of the floor. A new
location has been designed for the
computer terminals already
located in Salisbury with a door
connecting the room directly to the
outside to facilitate twenty-four
hour a day use of the terminals.
There will also be two new class-
rooms with tiered seating for 114
each, plus tables to make them
operable for both lectures and
conferences. The present lecture
hall is being modified to seat two-
hundred and fifty students, and
includes a projection booth and a
preparation area to the side to
make for easier lecture
preparation and take-down. The
life science department heads will
occupy offices on the first floor
directly under the other depart-
ment offices on the second floor.
The old hydraulic elevator,

which was patented here at Tech
will remain, with a new larger one
for general use right next to it. The
old elevator will only be used oc-
casionaly by custodians as it is
now. The present staircase will be
moved under the large skylight,
and ramps will be constructed in
conjunction with all staircases to
aid the movement of equipment.
Offices of the life sciences will
occupy the second floor, along with
two new audio-visual rooms. A 40
seat and a 48 seat room will each
contain one television monitor for
every two seats. It is not clear
whether the monitors will operate
independently or not.
The third floor will house social
sciences and classrooms. One
flight up, the fourth floor will
contain labs, work areas, offices,
and animal surgery and
preparation. Throughout the
building paint will be sandblasted
from the bricks to return them to
their natural state. All in all, there
seems to be imagination and a
refreshing change in the "new
Salisbury".

John Z. De Lorean, the former
superstar executive at General
Motors until he resigned last year,
was in Washington a few days ago
making some super good sense.
In a Senate briefing, sponsored
by Senator Vance Hartke (Dem.,
Ind.), De Lorean said it was
ridiculous to consider sacrificing
automotive engineering safety
because of the auto companies'
present economic turbulence.
"Over the past 18 months," he
said, "the average price increase
of a sedan has been over \$1,000, and
the cost of added safety features is
an insignificant slice of that dollar
amount."
In contrast, Richard C. Ger-
stenberg, chairman of General
Motors, issued a statement on
September 1 which is un-
precedented in its callousness
toward motorists' safety and
decent business behavior.
Gerstenberg, who once called
himself "just a bookkeeper" at a
Senate hearing, said that GM
wants no more new safety features
over the next three years.
The auto giant is also demanding
an actual rollback of some existing
lifesavers which the government
has obliged the auto companies to
install. He says such past and
future safety and pollution control
cutbacks will help the fight against
inflation.

and \$135, on the 1974 Chevrolet
Impalas.
How many lives and injuries will
these and other similar "notions"
save? Such items are usually
classified as optional equipment
but as many motorists know,
company and dealer pressures
turn many of them into "man-
datory options" — if you don't want
them off the showroom floor, you'll
have to order your model without
such specifications and wait
several weeks or months during
which time the overall car price
may be raised.
Obviously, GM is not about to
mention the federal trade com-
mission report which stated that
the highly concentrated domestic
auto industry is costing consumers
billions of dollars due to anti-
competitive practices and captive
market gouging for replacement
parts. For several years, State
Farm Insurance Co. has been
compiling information on the
automotive replacement parts
market and consumer over-
charging, waiting for the FTC to
act.
Nor is GM ready to remind
motorists about their lost dollars
due to creampuff bumpers during
the last 15 years which exposed
cars to several hundred dollars
damage in five or ten mile per hour
collisions.

Also hiding behind the chrome
curtain are such facts as the much
higher price markups for widely
sold optional as compared with
standard equipment, and the
overburdening, with inap-
propriate costs and amortization
expenses, of safety equipment
pricing to mislead the public about
how inexpensive such equipment is
to GM and other auto companies.
Ford and Chrysler are fueling
inflation by another technique.
According to the Wall Street
Journal, these automakers are
"simply dropping their lowest-
priced standard-size cars in some
lines, effectively forcing buyers of
those models into a richer version
if they want that size car."
A couple of days after Ger-
stenberg's statement, the GM
chairman said that even if safety
equipment was removed, the
company's car prices might not be
reduced. Indeed, he suggested that
more price increases were coming
in the near future during the 1975
model year. Last year's models
were hiked six times during the
model run.
Should Gerstenberg and other
auto executives continue their
campaign of misinformation to
make safety features the
scapegoat for their rocketing
prices, it will not be long before a
congressional committee sub-
poenas the cost and productivity
data of the companies which they
have so carefully guarded as
secrets over the years.

Graduate School Recruiting Schedule

- OCTOBER 3 — Graduate School of Business Administration, Washington
University, St. Louis, Missouri.
At Clark University 9:30-12:00 noon.
Call the placement office at Clark for appointment.
- OCTOBER 21 — Columbia University Graduate School of Business.
2:00 - 5:00.
- OCTOBER 30 — Amos Tuck School of Business Administration, Dartmouth
College, MBA Program.
1:00 - 5:00
- NOVEMBER 7 — Boston University School of Management, MBA Program.
Group Information Sessions
9:30 - 10:30, 11:00 - 12:00
- NOVEMBER 25 — Northeastern University Graduate School of Engineering
- DECEMBER 4 — Babson College

Appointments may be scheduled at the office of Graduate and Career
Plans from 9:00 - 5:00 daily.

CARTOONIST WANTED

Part Time Set Your Own Hours
See Jeff Shaw, Graduate and Career Plans
Boynton 317 Extension 260

THE GRADUATE RECORD EXAMINATIONS WILL BE OFFERED ON:

October 26, 1974
December 14, 1974
January 18, 1975
★ February 22, 1975
April 26, 1975
June 21, 1975

+ Only the Aptitude Test will be offered on this date, and only at domestic test
centers.

THE ADMISSION TEST for GRADUATE STUDY in BUSINESS WILL BE OFFERED ON:

November 2, 1974
January 25, 1975
March 22, 1975
July 12, 1975

THE MEDICAL COLLEGE ADMISSION TEST WILL BE OFFERED ON:

October 5, 1974

THE LAW SCHOOL ADMISSION TESTS WILL BE OFFERED ON:

October 12, 1974
December 7, 1974
February 8, 1975
April 19, 1975
July 26, 1975

Applications may be picked up at the office of graduate and career plans, Boynton 317.

Deadline

for articles

submitted

to Newspeak is

ATURDAY 12 noon.

No articles will be

accepted unless the

words are

CORRECTLY counted.

WPI Social Calendar

chaplin's classic comedies

As its major contribution this year, CINEMATECH is presenting the Chaplin series of feature films so that the WPI community may enjoy and have the opportunity to study in some depth the work of one of the truly great geniuses of motion picture art.

September 24

THE GREAT DICTATOR

A Satirical Comedy - 1940

Chaplin's first sound film in which he uses speech to attack totalitarianism. The theme is not funny, but Chaplin hoped to discredit Fascism by ridicule. He plays the role of the dictator Hynkel to perfection and is ably assisted by Jack Oakie as Napoleon (Mussolini), Paulette Goddard and Reginald Gardner. 128 minutes.

November 5

CITY LIGHTS

A Romantic Comedy in Pantomime - 1931

A poetic romance between the little tramp and a blind girl, made as a silent, but introducing the spoken word in the form of inarticulate sounds to satirize ordinary dialogue. 72 minutes.

December 10

THE CIRCUS

Academy Award Comedy - 1928

Escapades under the big tent. The first Special Academy Award was given to Chaplin in 1928 "for versatility and genius in writing, acting, directing and producing The Circus." 72 minutes.

THE IMMIGRANT

Slapstick Comedy 1917

A two reeler, from Mutual, combining slapstick and pathos. 25 minutes.

All of the above films were written, produced, directed, enacted and scored by Charles Spencer Chaplin.

January 9

MODERN TIMES

A Comedy of Man and Machine - 1936

Chaplin's last appearance as the indestructible tramp at work on an assembly line in a huge factory, giving a pantomimic view of our mechanized way of life. 123 minutes.

February 18

MONSIEUR VERDOUX

A Black Comedy - 1947

A basically serious and philosophical commentary on survival and mass murder in which Chaplin plays the role of a fastidious Blue-beard. Martha Raye is cast to supply the laughs. "I love and revere the film as deeply as any I have seen, and believe it is high among the great works of this century." James Agee. 127 minutes.

April 8

A KING IN NEW YORK

A Political Comedy - 1957

Chaplin takes a critical look at America during the McCarthy era. The film was made in England when anti-Chaplin sentiment in this country was so high that he did not allow it to be seen here until recently. 105 minutes.



Toma

Sept. 23

8 p.m. Alden

Toma is the real-life story of a vice, narcotics, and gambling detective, David Toma, perhaps the most extraordinary policeman of his time. A man with thousands of arrests and ninety-eight percent conviction record, Toma works mostly on the street, where he pioneered the role of the decoy cop. He is a genius as a quick-change artist and master of disguise, a derelict perhaps, or a clergyman, a beggar, a doctor, a small-time street hustler, a prostitute (female, yes) or a health inspector.

He has been called the Great Impersonator and the Man with a Thousand Faces in the press. Newsweek, Time and scores of other magazines have written about him. He has the unique distinction of having his own television series, Toma, named after him, a network series in which Toma himself acts. Though he has been injured and hospitalized more than thirty times from beatings and stab wounds, he has never fired his gun in his seventeen years on the force. Despite the scores of dangerous exploits he's been involved in recounted in this book, Toma doubts that he could kill anyone if he had to. In the thousands of talks he has given across the country he has stressed that violence is unnecessary.

One of his lectures is on narcotics addiction: Four of his nephews have been victimized. He believes that the drug addict can be

rehabilitated with love and understanding and that they must have hope. With "law and order" the most prominent slogan of the day, it is significant that master police officer holds such philosophy. He refuses to accept the terrible waste of human life.

This is a very unusual cop with a passion for people, — an emotion man who becomes involved with the downtrodden, the exploited, victims of crime. And Toma is interested in the nickel-and-dime junkie or the numbers runner who knows these people; they are his friends but they are merely pawns more to be pitied than busted. He also knows they can lead to the criminal elements higher up, so they do take him there. One of the street people himself, Toma is the top mobsters as his adversaries. He wages his remarkably personal war against them in the toughest city in America — Newark, New Jersey. He has broken \$20,000,000 of gambling rings and broken narcotics dealers. These are "quality" arrests. It's a dangerous war to live. Time and again, he and his family have been threatened.

There is an innocence and naivete in David Toma. He was at the death of an addict and a prostitute who has killed her lover. He won't abandon those who have fallen. Detective David Toma is a cynical era he believes in human goodness and strives to find what is heroic in man.

the learning process

October 1

*LA CHINOISE

1967 France

Jean-Luc Godard's view of the new radicalism and the effect of the Chinese cultural revolution on French students, photographed at a fast pace and in handsome flat colors. Godard's accurate prediction of the student riots of the late sixties is uncanny. 36 minutes.

ZERO DE CONDUITE (Zero for Conduct)

1933 France

An attack on the educational methods and oppressive atmosphere in a French boarding school, told in a series of expressionist vignettes. Directed by Jean Vigo. 44 minutes.

October 15

IF

1969 Great Britain

The chronicle of life in an English public (private) school picturing a series of bizarre happenings and fantasies until eventually the students take over the school by armed force. 111 minutes.

November 19

*PYGMALION

1938 Great Britain

George Bernard Shaw's comedy, directed by Anthony Asquith, in which the phonetics expert, Henry Higgins (Leslie Howard), transforms cockney Eliza Doolittle (Wendy Hiller) into a lady by means of an educational experiment. Damon Runyon called it "The swiftest film I've ever seen." 90 minutes.

February 4

*YOUNG TORLESS

1966 Germany

A complex film about the repressive educational system in a boy's boarding school early in the century, possibly revealing the seeds of Nazism. 90 minutes.

March 11

*SOCRATES

1970 Italy

Roberto Rossellini, who directed this film for European television in the manner of a documentary, found his ideal subject in the life of this great Athenian whose teaching became the basis of Western philosophical thought. In Italian with subtitles. 120 minutes.

April 15

*CONRACK

1974 United States

Based on Pat Conroy's "The Water Is Wide," the film is a case history of a teacher of black children down south. Jon Voight gives a spirited performance of the teacher hero who fails nobly. Martin Ritt of "Sounder" fame directed. 106 minutes.

committee selections

October 8

THE GREAT MCGINTY

1940 United States

A political fable about a dumb guy who becomes governor, admirably acted by Brian Donlevy in the title role. Directed and written by Preston Sturges of whom Manny Farber wrote: "Probably the most spectacular manipulator of sheer humor since Mark Twain." 83 minutes.

December 3

*THE CONVERSATION

1974 United States

This film about electronic surveillance explores the character and personality of a wiretapping expert, marvelously played by Gene Hackman. Francis Ford Coppola, the director, succeeds in making eavesdropping repulsive. 113 minutes.

January 7

*KING OF HEARTS

1968 Great Britain

A sparkling comedy of an abandoned town in northern France taken over briefly by the inmates of an asylum toward the end of World War I. Directed by Philippe de Broca, with Alan Bates and Genevieve Bujold. 102 minutes.

January 14

*THE TALL BLONDE MAN WITH ONE BLACK SHOE

1973 France

A French farce about a quixotic character who becomes involved in a rivalry between an intelligence chief and his deputy. 86 minutes.

January 16

*PLAYTIME

1967 France

Jacques Tati, the last of the great screen pantomimes, in a comedy about modern times concerning a bus load of women on a tour of Paris. 108 minutes.

March 4

*SHOOT THE PIANO PLAYER

1960 France

This early and brilliant Truffaut, starring Charles Aznavour, is a fascinating essay on life ranging constantly from the tragic to the comic. 84 minutes.

All showings are in Alden Memorial Auditorium of Worcester Polytechnic Institute on Tuesday at 7:30 P.M. except those on Thursday, January 9 and 16.

CINEMATECH is free to the WPI community. The programs starred are open to the public.

SOCIAL COMMITTEE
VIDEOTAPE PROGRAM
on WPI Channel 3
September 16-22

VTN CONCERT: Jim Croce,
Roberta Flack and Donny Hathaway

Showings
10:00 a.m.
3:00 p.m.

12:00 noon
7:00 p.m.

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THREE TOUGH GUYS

PG Technicolor
2:00, 3:50, 5:45,
7:25 and 9:25

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ACADEMY
AWARDS!

NEURO-GOVERNMENT
A CARLO FONT PRODUCTION
DAVID LEAN'S
FILM
OF BOND NOTHUS

DOCTOR ZHIVAGO

Continuous 1:30,
5:00, 8:25

"A FIRST-RATE SUSPENSER!"
—JULIAN CRISP, New York Magazine

A Paramount Release
DINO DE LAUBENTIS Presents

CHARLES BRONSON in a MICHAEL WINNER film "DEATH WISH"

R 2:00, 3:50, 5:40,
7:30 and 9:30

"A MASTERPIECE!"
—New York Times

A Paramount Release
A TED NOTCHEFF film

THE APPRENTICESHIP OF DUDDY KRAVITZ

PG 1:40, 4:15, 7:00, 9:25

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THAT'S ENTERTAINMENT

SAT. - SUN. 2:15, 5:00,
7:30, 10:00

WK. DAYS 2:15, 7:30, 10:00

Conspiracy of Silence

Deals with people who try to conceal their problems by not talking about them. A young divorcee tells how she has been a part of this conspiracy by ignoring and covering up for the destructive drinking behavior of her ex-husband. In retrospect, she tells of how she had ignored all the warning signs of advancing alcoholism through a lack of information and the viewer is urged to become better acquainted with the facts about alcoholism.

As part of Alcoholism Awareness Week, Mr. Luke Richard will be on campus to discuss the film, "Conspiracy of Silence", narrated by Rod Serling. It will be presented in the Library Seminar Room, Wed., Sept. 18 at 8:00 p.m.

Cinema Tech

The WPI Film Committee under the able guidance of Minnie Levenson, Film Consultant, has lined up another outstanding year of films available to students, staff and faculty at no charge.

For the first time on the campus and in the city of Worcester, six Charlie Chaplin Films will be offered, all of which were written, produced, directed and enacted by Charlie Chaplin.

Besides the Chaplin Classic Comedy Series, the program includes a series on education entitled "The Learning Process". All of these films involve educational systems in various countries and relationships between students and teachers.

The final series entitled "Committee Selections" are films selected by the student committee of 12. These films include a number of outstanding films such as the French farce, "The Tall Blonde Man With One Black Shoe", "The Great McGinty", a political fable quite meaningful in light of present day politics and "King of Hearts", the most hilarious comedy of the 60's starring Alan Bates.

All showings will be in Alden Hall on Tuesdays at 7:30 p.m.

Libber U.

(CPS) — Feminist philosophy will be the focus of the Sagarius Institute, a college opening in Burlington, Vermont in the summer of 1975.

Billed as a "feminist-humanist alternative" to the male-dominated higher education system in this country, the school will offer courses in women's history, psychology, creative writing, political theory and journalism from a feminist viewpoint.

"Present courses," noted Dr. Joan Peters, one of the founders, "leave something to be desired. In many schools the women's studies are controlled by men or locked into a system that does not allow adequate freedom for intellectual growth."

Tuition, said Dr. Peters, will be arranged on a sliding scale according to ability-to-pay and including child care when necessary. "When financing makes it possible, we'll operate year-round," she added.

The name "Sagarius" is taken from Greek mythology. According to an Amazon legend, Sagarius was a double-edged sword used only in self-defense.

Student Government Minutes

Present: Denise Gorski, Ken Dunn, Mike Irwin, Jim Hall, John Suomo, Eric Hertz, Bill Guidici, Mike Severino, Bill Cunningham, Tom Tantillo.

First on the agenda was the final renewal of the WPI constitution. A question was brought to the floor about the existence of the Dormitory Committee. It was felt by some that this committee was not needed. A motion was brought to the floor to set up a sub-committee to examine its need of existence which was then seconded. The sub-committee is as follows: Will Lowther, chairman, Bill Guidice,

Bill Cunningham and Lance Sunderlin.

The sub-committee will report its study to the Executive Council at the next Student Government Meeting which will be Monday, September 16 at 8:00 p.m. in the Quiet Room of Riley Hall.

Section 5 was added to Article 2 which states: All committee meetings shall be open to the WPI Community, unless closed by a majority vote of the committee, and the community shall be notified of all meetings beforehand.

Danforth Fellowships

Inquiries about the Danforth Fellowships, to be awarded by the Danforth Foundation of St. Louis, Missouri in March 1975, are invited, according to the local campus representative, John P. van Alstyne, Dean of Academic Advising, WPI, Worcester, MA. 01609

The Fellowships are open to all qualified persons of any race, creed or citizenship, single or married, who have serious interest in careers of teaching and or administration in colleges and universities, and who plan to study for a Ph.D. in any field of study common to the undergraduate liberal arts curriculum in the United States. Applicants must be under 35 years of age at the time application papers are filed, and may not have undertaken any graduate or professional study beyond the baccalaureate. Persons must be nominated by Liaison Officers of their undergraduate institutions by November 20, 1974. The Danforth Foundation does not accept direct applications for the Fellowships. Approximately 100 Fellowships will be awarded in March 1975.

The award is for one year, and is normally renewable until com-

pletion of the degree or for a maximum total of four years of graduate study. Fellowship stipends are based on individual need, but may not exceed \$2025 for single Fellows and \$2200 for married Fellows for the academic year, plus dependency allowance for children and required tuition and fees.

Other fellowships may be held concurrently with a Danforth Fellowship, except for those administered through other programs of the Danforth Foundation. Income from other awards will be taken into consideration in determining the supplementary living expense stipend if the amount received is less than the Danforth Foundation maximum, and if the agency concerned will allow this.

The Danforth Foundation was created in 1927 by the late Mr. and Mrs. William H. Danforth of St. Louis as a philanthropy devoted to giving aid and encouragement to persons, to emphasizing the humane values that come from a religious and democratic heritage, and to strengthening the essential quality of education.

WPI Social Committee

MEETING

Anyone interested in any of the functions please attend.

Topics discussed:

FUTURE CONCERTS

COFFEEHOUSE

COMMITTEES

MONEY

4:00 p.m. Thursday, Sept. 19

in the Pub

Any questions see Paul O'Brien
Box 1595

Create-A-Faire

— The Great Boat Race —

From the Titanic to the Thresher, man has constructed great nautical masterpieces, of obvious seaworthiness.

Now you have a chance to stand along side of these great engineers.

OBJECT: To construct and sail a uniquely designed aquatic vehicle. Size restricted to less than 1½ feet in length. Prizes will be awarded for a number of categories.

SUPPLIES: All items listed below will be supplied by the Create-A-Faire committee. You are allowed to bring anything else, as long as quantity is sufficient for all to use.

DATE: Thursday 19, 1974 at 4:00-5:30 in the IQP center. (top floor of Washburn).

LIST:
Paper
Cardboard
Elastics
Styrofoam
Pipe-cleaners
Pill bottles
Paper-clips
Soap
Tape
Glue

Wax-paper
Aluminum foil
Scissors
Potato Chips
Toothpicks
String
Balloons
Marbles
Lead
Sponge
Large body of water.

From AAP Student Service

How To Get The Most Out of Your Text Books

A textbook, properly used, can be invaluable to you in any course. It can make the course easier for you; it can add to the knowledge you gain in the classroom as well as prepare you for classroom work; it can and should serve as a permanent resource book for you after the course itself has been completed. The following six steps have proved to be successful in using textbooks, and they can easily be applied to any assignment.

1. Survey the entire book
2. Read for the main ideas
3. Question yourself as you read
4. Underline and make margin notes

5. Use study guides
 6. Review systematically
- Survey the Entire Book**

Before you read your textbook, make a brief survey of the author's method and intention so you understand how he has ordered his materials.

Read the preface carefully to acquire a sense of the author's major purpose in writing the book, his approach to the materials, and the structure he is following.

Scan the table of contents to grasp the organization and scope of the book. As you read particular chapters, review the table of contents to remind yourself of the larger context the author has in mind.

Read the concluding chapter or final paragraphs of the book. The author will often stress and summarize those major points that he has demonstrated specifically in individual chapters.

Glance at the book as a whole and at the apparatus that supplements the text: chapter headings and summaries, reading suggestions, quizzes, chronologies, discussion questions, graphs, pictures and diagrams. In a short time you will have a sense of the author's overall techniques which will help you read the book more profitably.

Before you read a chapter in the text, survey the author's main ideas. Read whatever headnotes or summaries appear in the chapter. They provide a clue to all of the main concepts that the author is stressing, and they serve as a handy outline.

Examine the heading and sub-headings of the chapter to gain a sense of its main ideas, organization, and direction. The arrangement of these headings

often will suggest which topics are primary and which are subordinate.

Read For The Main Ideas

The author is trying to convey a central concept in any given chapter of his book, and you should concern yourself with that concept rather than worry excessively about details. By concentrating on the main idea, you will find that facts and supporting evidence are much easier to remember. Periodically ask yourself what the author is trying to say in a particular section of a chapter.

Co-ordinate your class notes with your reading. Good lectures or class discussions should further illuminate the perceptions you have derived from your reading. Keep full, legible, and accurate lecture notes. Like your textbook, lecture notes will serve as a basic part of your knowledge in later years, and you will find yourself returning to them for guidance.

Read your assignment before the class discussion. Not only will this technique make cramming for examinations unnecessary, but it will also give you confidence in your own ideas. If you wait until the professor and other students discuss an assignment before you read it, you will lose faith in yourself as an independent reader. Read the material regularly and discuss it in class so that you are constantly testing your ideas. Your verbalization of reading material will reinforce it in your mind.

Summarize whatever you have read. After finishing a page, restate the main ideas in your mind and then glance back to see if you are correct. Before closing your text, repeat the major points of the material you have read. See if you can jot down the central ideas in the section you have just completed. If you can, you will find that most of the supporting details will return to you rather easily. In addition, when you resume your reading the next day, your brief review will serve as an encouragement to begin the next assignment. By noting the major points of your reading, you will find that your preparation for an examination is a relatively simple matter.

Question Yourself As You Read

Pose questions to yourself as you move from paragraph to paragraph. By converting statements into questions, you

challenge assumptions, opinions, and generalizations, and you keep yourself alert to the author's ideas. As you read your textbook, ask yourself, What, Why, How, Who, When.

What is the meaning of the title of this chapter? What is the sense of headings and sub-headings, the topic sentence and concluding remarks? What is the meaning of the words — especially of important terms that are italicized. What is the purpose of a photograph or table, a diagram or a graph?

Why has the author chosen a certain sequence of thought? Why does he elaborate upon a particular point so extensively?

How does the author achieve his effects? Does he use exaggeration, understatement, irony? Does he use examples and analogues? Are his graphs and pictures effective? If you are reading literature, what is the significance of the title, the point of view, the setting, the historical period, the tone, mood, language, and symbolism of the work?

For whom is the author writing? If he is writing a history text, is he biased? If he is dealing with psychology, does he belong to a special school of thought and does this attitude shape his ideas?

When was the book written? Have new developments rendered the author's opinion obsolete?

Ask questions in class. Bring specific inquiries raised by your reading to class and pose them to the professor and to other students. Make certain that you are an active participant in class and that your reading plays an active part in your classroom work.

Underline And Make Margin Notes

Mark your text freely and underline key statements. Bracket key phrases and put light check marks around significant points. After you have read a few paragraphs, return to your markings and underline the phrases and sentences that seem most important to you. Be careful to select only the main idea. If you underline judiciously, you will have a clear idea of the most important material you have read when you review.

Writing in the margins can also be helpful. Challenge the author directly in the margins of the text. Ask questions, disagree, modify statements, rephrase concepts in

your own language. By actively engaging the author's ideas, you will read more alertly and you will remember what you have read.

Note taking is an individual matter and each student will have to decide upon the best technique for himself; but there is no question that to make your learning active and to retain what you have read, you must take notes. These notes will be very useful at a later time, reminding you of your immediate reaction to specific passages in the textbook and reviving information that you have forgotten.

A journal or reading log proves useful. After you have read a section or a chapter, record your thoughts so that you will have a personal and active encounter with the textbook. You may want to keep an informal reading log, jotting down perceptions or expressing yourself creatively; you may want to be more formal and synopsize whole chapters in a brief paragraph. In any event, the transcription of your thoughts to paper will be of great help in reviewing and in writing subsequent essays or term papers.

Use Study Guides

Study guides, outlines and supplements which accompany many texts are extremely helpful. These guides often offer synopses of the material and raise provocative questions that make you see far more deeply into the textbook itself. Use the best study guides and supplements that are available and refer to them as you read; then return to them when you review for your examination.

Text supplements that are mentioned in the author's suggested additional readings or bibliography should be consulted. Often a point that seems obscure in your text can be clarified by a special study of the subject.

Review Systematically

Reviewing must be a cumulative discipline and ought to become a habit of study. You review a phrase or sentence by underlining it; you review a page after you have read it by simply recalling the major points; you reassess the meaning of a chapter by noting some of the main ideas on a piece of paper; you reevaluate the material when in class by joining in the discussion; you record varied points of view and interpretations in your notebook as you listen to the professor and other students; you

make your final review before the text by re-examining your own underlinings, your notes in the margins, lecture materials, and notebooks.

Avoid cramming at all costs, even though it may be tempting to postpone assignments and wait until the night before the examination. Cramming creates tension that may hinder your memory during the examination and that will certainly prevent you from remembering afterwards.

The easiest way of reviewing is to assemble your summary notes of each chapter that you have read, converting the statements into questions, and checking the individual chapters to see if you are answering the questions fully and accurately. Your questions in the margins as well as your underlining will help you to recall details. If you have kept a reading journal, your own reflections will be a further aid in remembering particular ideas. Your class notes will reinforce your reading. Pose rigorous questions to yourself, but as you approach your examination, remember one important point: **Do not clutter your mind with details.** If you have read the text carefully and can identify major ideas, you will easily remember supporting information and data.

Studying is an essential aspect of your education — representing a large investment in time and money. Like reading, athletics, or any other activity, studying requires practice and concentration. It is important, therefore, that you make maximum use of the books, learning materials and facilities that are available to you. The enjoyment you find in learning, and the retention of the knowledge you acquire, will depend in great part on your developing good study habits.

This article is part of a series recently initiated for college students by the Association of American Publishers. Copies of the complete HOW TO GET THE MOST OUT OF YOUR TEXTBOOKS can be obtained free by writing to AAP STUDENT SERVICE, One Park Avenue, New York 10016. Future topics will give you suggestions on how to take better class notes, read better for class assignments, plan, research and write term papers, and other effective techniques for using study time and learning materials.

POWER STORAGE

CONTEST



DESIGN OBJECTIVE: A Super Battery or ANY OTHER energy super storage unit. (e.g. a Super Accumulator or a Super Spring).

DESIRED CAPACITY: Enough power to move a one ton car at 60 mph for 250 miles.

1st PRIZE — \$100.00 U.S. SAVINGS BOND
2nd PRIZE — \$50.00 U.S. SAVINGS BOND

NINE MERIT PRIZES: \$25.00 U.S. SAVINGS BOND

SPECIAL PRIZE: \$50.00 U.S. SAVINGS BOND for a design idea for an A.C. BATTERY, feasible in the opinion of the judges.

CONTEST RULES

1. Anyone is eligible.
2. Your idea (even incomplete) should be accompanied by sketches and pertinent data. Send as much explanation as you think necessary to clarify your idea.
3. The product must be reasonably safe. (e.g. non-radioactive)
4. Merit awards will be made on: Oct. 25, 1974, Dec. 25, 1974, Feb. 25, 1975. 1st and 2nd Prizes will be awarded: April 25, 1975. Entries must be postmarked 10 days prior to each award date.
5. Merit winners are also eligible for top awards.
6. Meritorious duplicate entries will be decided by earliest postmark.
7. Entries to be judged by the J. Friedman Co., all decisions are final.
8. Mail entries to: POWER STORAGE CONTEST, J. FRIEDMAN CO., 6031 St. Clair Avenue, Cleveland, Ohio 44103.

Faculty Pen: Cults of Unreason

Business News
Feature

I take as my topic the title of a new book by the British brain physiologist Christopher Evans. The book is a survey, from the point of view of a well-educated rational scientist, of a number of popular cults including some, like Scientology, that can fairly be called religious in nature. They are all characterized by a strong element of the supernatural, or at least by a number of assumptions that are totally lacking in objective scientific validity.

Since Dr. Evans will be speaking at W.P.I. in October, those Newspeak readers who wish to take up with him matters he deals with in his book will have an opportunity to do so. Incidentally, the current issue of The Humanist contains an article by Evans.

I wish to make my purpose plain. As I would not take a lollipop from a child, so I would not seek to deprive a person of the happiness he derives from holding to beliefs that are above and beyond the laws of science. Many of the tenets of classical religions fall in this class. A belief in life after death or in reincarnation are not subject to proof or disproof, and if a person believes he can find inner peace by sitting on the floor and staring at the wall for a few hours it would be downright sinful to argue with him about it — and rather stupid. In themselves, such aspects of faith are harmless, and to the extent that they apparently bring order to an otherwise seemingly chaotic world they satisfy the highly creditable yearning of human beings for explanation of natural phenomena.

But the difficulty comes when such beliefs, that have no rational objective basis to them, lead to actions that result in real physical damage to oneself or others. Fortunately legislation in modern societies prevents the more extreme beliefs from going too far.

We no longer burn Quaker ladies on Boston Common, nor are religious zealots who opposed blood transfusion allowed to permit their beliefs to jeopardize the lives of their own children. And kids can even hear about Darwinian evolution in the public schools of Tennessee; brain-stunting of children caused by the Biblical nonsense is no longer the unchallenged prerogative of bigotted ("religious") parents.

But what worries me about the popularity of bizarre beliefs among many of my fellow citizens who ought to know better is that in a nation that spends so much on education — it is the country's largest industry by any measure — there seems to be a very poor understanding of simple notions like the idea of a controlled experiment (a firm grasp of this would have put an end to the Krebiozen cancer "cure" at the very start of that sad tale), an elementary understanding of probability notions (all those dreams that come true — my goodness, think of the ones that didn't come true!) and a decent respect for the opinion of competent specialists (how many astronomers do you find in the ranks of UFO enthusiasts?).

Particularly distressing is to see tortuous rationalization used to bolster one's beliefs. A sad sample of this appeared last year in these pages. It was said that the claims of the Leakeys for the very ancient age of the human remains they have found in Olduvai Gorge are wrong because two conflicting claims, both presumably based on sound scientific work, have been presented — and the writer decided to pick the one that fitted in with his Biblical notions, according to which it was quite impossible to think of man being in Africa several million years ago. Confronted with two conflicting

pieces of data, the scientist sets to work methodically to find where the error lies. In fact there is no question at all about the very ancient age of the Olduvai Gorge finds, and the problem resolves itself into a personal one for the young man — how he can now accommodate his religious views with unquestionable scientific fact. And this is what education is all about, if one goes back to the literal Latin meaning of "educare".

And this brings me to why the current enthusiasm for the irrational worries me. We live in a perilous world beset by awful problems that will not just go away and which will require all our ingenuity and intellect to solve. Man is a reasoning animal, and to the extent that he thinks his problems will be solved by little green men from outer space or by retreating into himself (most of the popular Eastern-oriented cults are incredibly selfish, concentrating on how I can attain Nirvana, not how I can help others) he is letting priceless time slip away. In particular it is the college-educated sector that has a special responsibility to use the rational approach to life, and to apply the hard-won principles of scientific methodology honestly and consistently. A simple litmus test to apply when someone offers to let you in on the "truth" is: is it sponsored by a legitimate scientific or philosophical group, and how much do you have to pay to get in? I have a violent prejudice against enlightenment that is for sale. This month the WPI community will be able to hear a math lecture by Prof. Hobey on predator-prey relations; you won't have to pay a nickel to get in — and it will be a worthwhile educational experience. And on Sept. 18 you can part with five bucks in order to hear three "noted" psychics demonstrate ESP at the Holiday

Inn. Better yet that evening you should be studying something useful.

Clearly there are compelling reasons for the popularity of irrational cults, and Dr. Evans will have something to say about this. There does seem to be a fraction of the population that in all ages has a psychological need for the mystical-supernatural. The real world is not enough for them. Of itself this is quite harmless, and as I have indicated I have no quarrel with religion and the immensely important role it plays in all of our lives. The rub comes when the worlds of reality and of the spirit, if you will, are allowed to clash. This is an entirely unnecessary conflict, and the balanced individual, as he or she matures, learns to recognize the boundaries and thus to avoid the conflict. The college years, when you have left home for the first time, is usually the period in which you are forced to question many beliefs you were taught in earlier years, and it is then that you learn some pretty harsh lessons about keeping the rational and the irrational clearly distinct and separate — and deriving from each the value and meaning that it can give to your life.

Good luck!

David Todd

Our story involves an ordinary guy. Let's call him Joe. He looks like a lot of other Joes.

You would think that Joe was a lucky man. For the last 10 years he has had pay increases to match every increase in the cost of living. But Joe is still unhappy. His paycheck does not go as far as it used to.

Economists of the Chamber of Commerce of the United States can explain the chagrin of ordinary U. S. citizen Joe. They tell his story this way.

In 1964 Joe went to work at a pay of \$10,000 a year. That year:
His income tax was \$1,200.
His social security tax was \$174.
His take-home pay was \$8,626.
His taxes took 13.7 percent of his gross earnings.

Now, 10 years later, with a long string of cost-of-living pay increases added to his paycheck, Joe earns \$15,400 a year.

His income tax will be \$1,908.
His Social Security tax will be \$737.

His take-home will be \$12,755.
His taxes will take 17.3 percent of his gross earnings.

Meanwhile, inflation has eroded the value of the U. S. dollar — by 60 percent since the end of World War II and by approximately 10 percent in the last year.

The \$12,755 Joe will take home in 1974 really is worth \$529 less than the \$8,626 he took home 10 years ago.

So take it from Joe. In 20 years, if inflation keeps rising at the 10 percent rate, Joe will need to earn \$113,000 a year to keep pace. Meanwhile, he will be paying out half his earnings in taxes.

And his take home pay of \$57,300 will really be worth only \$7,800 of today's dollars.
Sorry Joe.

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underclassmen
interested in
working with the
Sports
Department
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Office
on Sunday
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FRANKLY SPEAKING...by phil frank



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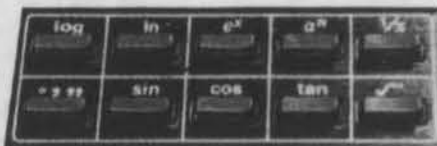
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20

History of WPI — III — Continued

Editor's Note: The following is the third in a series of twelve articles on the History of WPI edited by Jon Anderson from *Two Towers* on sale at the bookstore.

While the school was turning into two buildings, it was also quietly shaping into a curriculum. The first formal vote which indicated the kind of education to be expected from the Institute was recorded in October of 1865, when it was agreed that "professorship of engineering and one of chemistry" be established.

Even before its doors were opened the school was thus broadening its scope, for this is the first time the term "engineering" had been mentioned in connection with the school.

Formerly the United States had relied almost entirely upon European-trained men for all of its engineering. As Emory Washburn deplored, "Instead of educating scientific men to take care of our shops, we went abroad for them." The pattern had been the same when civil engineers had been needed for the railroads. "So it was with mechanical engineering, in the invention and construction of our machines. They picked up their education by piece meal in the best way they could. They were educated by the necessity of the case, at a very great expense, as well as loss and inconvenience."

Only one nation-wide society of engineering existed in America, the American Society of Civil Engineers, founded in 1852.

Such was the situation, as far as engineering was concerned, when the board of the Institute ambitiously voted to offer courses in "Mechanical Engineering, Civil Engineering, Physics, Chemistry, Drawing, French, German, and English."

Finding teachers for this advanced curriculum would not be easy. First of all, there had to be a principal. Paul Chadbourne at Williams was invited twice, but twice refused. Professor C. F. Brackett of Bowdoin was asked with the same result. Recommended by the superintendent of the Boston public schools was the well-educated principal of the Arlington High School, Charles O. Thompson, a graduate of Dartmouth with a special interest in chemistry.

Mr. Thompson accepted the position with the condition that the opening of school be delayed long enough for him to visit the technical schools of Europe.

The board of trustees agreed, and by that agreement gave good evidence of the scope of planning which characterized the beginning of the school. This was no idle school-boy venture in which they were involved; it was a serious attempt at educational innovation, and they were willing to pay the price for it.

Mr. Thompson concluded that the Institute's curriculum should offer a four-year course and require a high-school entrance prerequisite. This, however, seemed too ambitious to the trustees, who

announced in their first circular that the course would last three years. Students on admission were to give evidence of an acquaintance with the usual studies pursued in the district schools, especially in arithmetic

geography, and history of the United States.

School was to begin in less than a week when George I. Alden of Templeton, only twenty-five years old, was asked to teach theoretical and practical mechanics. How this young man found out about the school, or how the school found out about him, is not known. He had been graduated summa cum laude in June from the Lawrence Scientific School, and for the few months since graduation he had worked at the Harvard Observatory.

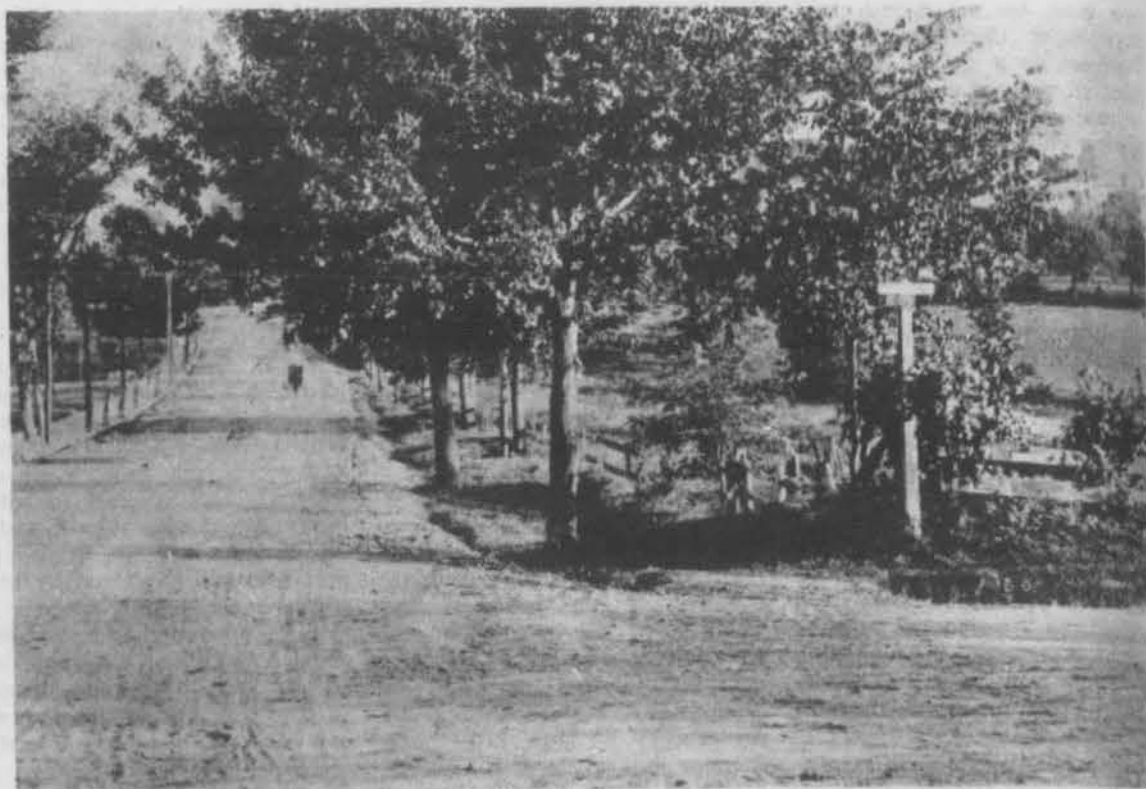
With four teachers sharing the teaching load for thirty-two students, the school was opened on Tuesday, November 10. There were middlers and juniors — no seniors. All but two of the pupils were from the County of Worcester; one lived outside of Massachusetts.

The first day of school was a formality of greetings. The next was a vacation, for November 11 had been chosen as the date for the dedication ceremony of Boynton Hall. It was a melancholy day, instituting what became almost traditional as far as weather and Institute celebrations are concerned. A never-ending rain made long rivulets down the steep hill, and according to the Spy report, "The streets leading to the rounds and the grounds themselves were in a horribly muddy condition."

The ceremony lasted all day, and its story by itself would fill a big book. There were twelve long speeches in which almost everyone concerned with building the school, plus a few visitors, tried manfully to put into words the purpose of the school and his hopes for it. John Woodman said in his remarks that this was an era when people were judged by the kind of speech they could make. On this historic day there were many persons willing to submit to the test.

It was already dusk as the carriages grumbled down the muddy driveway. The two buildings stood stark and still on the bare hill now stripped of all its trees. Charles Thompson, fortified by only one young teacher, a part-time artist, and his sister-in-law, must have felt he had fallen heir to a strange legacy.

The fathers and godfathers and advisers had had their say and now had gone away, leaving what they hoped were adequate provisions and instruction to last the winter. Now the test would come.



Salisbury Street, west end of Salisbury Pond, now corner of Park Avenue

There was nothing to do but pick up after the company, then get on with the homework for tomorrow's classes.

— OLD TECH —

MUSIC AND WORDS BY



ROBERT H. GODDARD, '08.



In the sym-bol of our life, the ham-mer in the i-ron hand, in sac-red comrade-



ship, with mem-o-ries all in-ter-twined, in menthroughout the land, whose high-est aim is



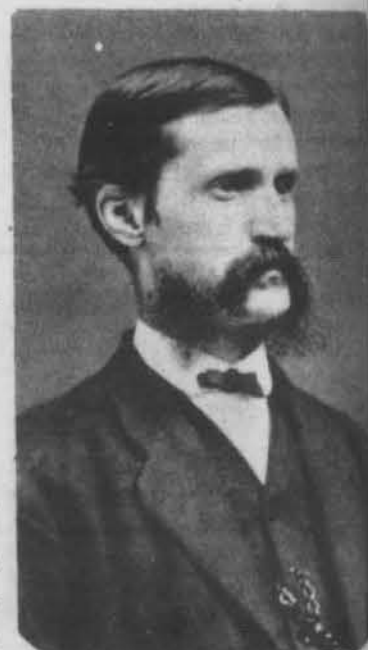
use-ful-ness, the bro-ther-hood su-preme, in these may Tech spirit ev-er live! Where e'er you



are and what e'er you do, your al-ma ma-ter don't for-get; she's



stern and hard, but she's tried you true, stand by her, boys, your old WORCESTER TECH.



Charles O. Thompson

First President of WPI.



CHI EPSILON
Meeting
Thursday, Sept. 19
8 p.m.
Library Seminar Room

Sports Highlights

Gridmen Seek Winning Ways

by Cy

The 1974 edition of WPI football looks to be a more promising team than its 2-6 counterparts of last year. Last year's team could have easily been 6-2, but seemed to lack that certain something. Hopefully, the Engineers will remedy that situation this year and produce a winning team. They have the talent to do it.

One position which should show much improvement is quarterback. Dave McCormick has some experience now, and the stability of him definitely being No. 1 man should help the team. Elsewhere in the backfield, senior Bob Simon returns as tailback, junior Tom McAloon is at wingback and Tom Pelis has the inside track on the starting nod at fullback. Pelis, a junior who missed all of last season with an injury, is being pushed by freshman Alan Simakaukus and sophomore Brian Keisel. Backfield depth is also provided by John Carbone at wingback and Tim Scavone at tailback.

The offensive line should also be much improved with six of seven starters returning. Tight end Don Drew, tackles Warren Fairbanks and Mike Schultz, guard Gary Chabot, center Mike Irwin and split end Bob Gray are all back for another season and will be joined by Kevin Hastings at the other guard. The performance by this unit could tell the tale for WPI this year, as they are the key to the offense and it was the offense that stalled for the Engineers last year. Strong, consistent line play would mean a lot of scoring for WPI.

The defense should be strong again this year. Anchored by a front five that features veterans Jack Fitzgibbons, Fred Cordella, Ed Peek and Dave Pryor, joined by John Harvey, the defense against the run should be especially strong. The linebackers will be Dave Cordella, Jeff Burek and Bill George and the secondary will consist of Al Barry and Bob Dolan at halfbacks and Henry Fitzgerald at safety. Defensive depth will be provided by end Ed Robillard, tackle John Dewine and linebacker Jim Begley. Although the first team appears excellent, injuries could hurt the defense, especially in the secondary, where reserves are scarce.

The team will open its season Saturday at Union, with the home opener the following week against Bowdoin. The team has also had pre-season scrimmages with Nichols and Trinity. Due to the nature of these scrimmages, it is hard to say exactly how the team made out, but they have shown improvement and limited success. The team has the personnel to have a very successful season, but has the added burden of overcoming the losing attitude of the past. Hopefully, that trend can be reversed and a new era of WPI football can be launched.



Defensive standouts Al Barry (25), Jack Fitzgibbons (88), and Dave Cordella (60) pursue Nichols' opponent in pre-season action. (Scobey)

Crew Team Hits Lake Quinsigamond

The W.P.I. men's and women's crew teams began their '74 - '75 season this past week by making quite a splash into Lake Quinsigamond. With the warm summer weather seeming to hold out a bit longer than expected, oarsmen have been able to get in some fine rowing time in the late afternoons.

This fall finds the team preparing for a heavy Oct. schedule. On Oct. 6th the oarsmen will travel up to Lowell Ma. to take on other New England boats in the annual Lowell Fall Regatta. This will give coaches and coxswains a chance to look over spring competition. The following week the crew will return to Worcester to battle an unannounced team on Lake Quinsigamond in an effort to get ready for Oct. 26th when the oarsmen will travel to Boston to compete in the annual Head of the Charles Regatta. Big name schools from all over the east coast will be competing in this one, and it always promises to be a thriller.

Coach Dave Ploss is highly optimistic of his boys this season as he has 24 upperclassmen returning from last year's victories. In ad-

dition to the experienced rowers coming back a strong, and large freshman team coached by John Mathews is also making its presence known down at the boathouse. The freshmen will accompany Varsity and J.V. boats to all three regattas this fall. Mathews returns to W.P.I. this season coaching the freshmen after winning a gold medal in Canada this summer rowing for the U.S. team.

The girls team coached by Jeff Shaw made its first splash early last Wednesday morning. This dedicated group will rise and shine at 5:30 this fall in an effort to row before classes. Coach Shaw has drawn together two freshman boats. The freshman girls are something to watch out for as they are picking up the sport fast. They should be very strong contenders in the months to come.

All in all the crew team looks to be in great shape again this year, and should be making some big waves among the contenders with its slightly modified style. See you at the lake!

Soccer Team Routes

The WPI Soccer Team looked very impressive last Saturday as it totally demolished St. Anselm's by an 8-1 margin in an afternoon scrimmage. WPI completely dominated the game, allowing only five shots on goal, while bombarding the opposition with a total of thirty shots. The offense looked very strong as Rich Rudis and Alan King each collected a hat trick, and Walt Braley and Bruce Smith added one goal apiece.

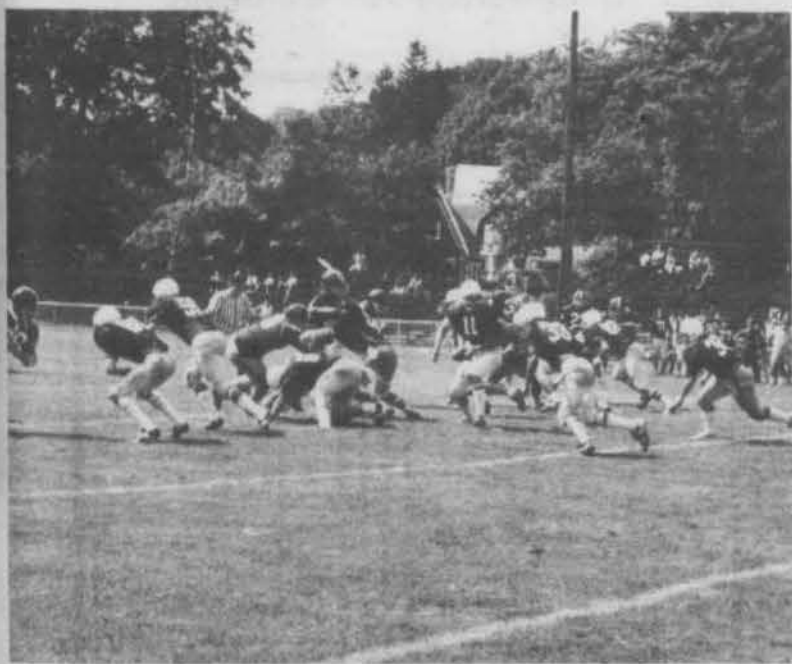
WPI opened the scoring early in the second half as winger George Opigo gained control of the ball, beat several defensive players, and then crossed the ball to Rudis who fired it home. The next goal was almost a carbon copy of the first, as Opigo once again crossed to Rudis who scored. Walt Braley connected minutes later on a nice shot into the upper right hand corner from about twenty feet out. With seconds left in the first half, Rudis completed his hat trick off an Opigo pass.

An entire new unit began the second half for WPI, consisting largely of freshmen. This team played very well, allowing one goal but scoring one also on a blistering shot by Alan King, who had replaced an injured player. Newcomer Bruce Smith scored the sixth goal, which was followed by two markers from Alan King. One of these was a penalty kick which cleanly beat the St. Anselm's keeper, while the other was a spectacular play as King dribbled through several defenders and fired a shot into the right corner of the net.

Strong performances were also turned in by halves Cucci, Lacerda, and Cocaine, who were all over the field on both offense and defense. Jake Mandelbaum, with many skillful moves, would continually draw several defenders and then neatly drop the ball to a wide open companion, setting up numerous scoring opportunities. WPI's defense looked solid as well, as freshman Larry Hindle played an outstanding game at fullback, backed up by co-capt. Fairbanks and Johnson at the other fulls.

There was one dismal point in Saturday's scrimmage, however, as the booters lost the services of goalie Peter Greco, due to a fractured collar bone. It appears that the goal-tending chores will be left to Bob Grockmal, a promising freshman, who played in most of the game Saturday.

With such a promising season ahead, the soccer team still lacks one prime ingredient necessary for a championship season: support from the fans. The booters feel confident that the WPI community can and will provide this support at all the home games.



W.P.I.'s Forte, the defensive line, in action against Nichols College in a pre-season scrimmage. (Scobey)

WRESTLING Team Meeting

Tue. Sept. 24th
7:00 p.m.
Alumni Gym
Conference Room

WPI Tennis Tourney

The annual Tennis Tourney sponsored by the lawn and tennis ass. will begin at 10:00 a.m. Saturday the 21st. Preliminary rounds will be played all day Saturday, and the Finals on Sunday at 1:00 p.m. if possible. The tournament is open to all undergraduate students.

The only entry fee is "1" can of tournament accepted tennis balls. All entry's must be in no later than Thursday the 19th at 8:00. To enter contact Paul Houlihan at 791-5830.

W.P.I. BOWLING TEAM TRYOUTS

Wednesday, Sept. 18 from 4-6 p.m.
Thursday, Sept. 19 from 3-5 p.m.

If you have any questions contact Eddie Karedes (753-3148) or at KAP (757-9971) or Gary Anderson (755-1530).

VOLLEYBALL MEETING

Tuesday - Sept. 17 -
4 p.m.

Conference Room
Alumni Gymnasium
Coach Herrion

Anyone interested in becoming Sports Editor for Newspeak, please contact Al Briggs (Box 359) or Jim Grasso (Box 897) at 757-9971.

Injuries Hold Key to Harrier Success

This years cross country team, under senior co-captains Chris Keenan and Dave Fowler, hopes to improve on its last years record of 7-6. Keenan, last years top runner, was recently injured but should return while Fowler's troubles leave his condition uncertain. Despite these setbacks, the outlook is optimistic as senior Jeff Wnek, number two last season, should again hold down a top spot. Additional help should come from senior Rich Newhouse, who has continued his steady running.

Alan Briggs, looking strong this year after missing all of last season due to an injury, will lead the juniors. Briggs promises to be one of the keys while classmate John Browksi will add depth to the squad.

Sophomores Pete Kane and Steve Sweeney are welcome additions to the team. Pete did not go out for the squad last year but he has looked good in practice; Steve is another steady performer who will make his presence felt.

Good depth to the team should be provided by freshmen John Heslin, George Cooper, Mark Steadman and Frank Leahy, all of whom have shown good potential in practice.

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REGULATIONS

— FOR —

PRACTICE HOURS

— AT —

The Washburn Machine Shop.

1

Students in Mechanics should provide themselves with two pairs of blue drilling overalls, two gingham frocks, one four inch steel scale, and a pair of pocket calipers.

2

Be in the shop promptly at the time indicated on the hour plan for practice.

3

During practice hours, give your undivided attention to the work assigned, not leaving the room to wash up before the engine is stopped.

4

Whenever a tool is used, it is to be cleaned and returned to its proper place, and before the engine is stopped sufficient time is to be taken to thoroughly clean benches, lathes and other machines, and leave them in good order.

5

Finished and unfinished work is to be left orderly arranged on the bench, where it may be readily examined.

6

In using the lathe without the centre, fill the outer end of the centre hole with clean waste, carefully removing all particles of chips when the center is replaced.

7

Be careful never to run the chuck drill or boring tool against the head spindle of the lathe.

8

When the chuck or face plate is to be removed, be sure that your hold of it is sufficient to prevent its touching the ways of the lathe; and when either is to be replaced, carefully clean the screw thread.

9

The wrench and other tools should not be used in place of a hammer.

10

Ascertain whether the machine you are to use is properly oiled before it is started.

11

In drilling and reaming wrought iron and steel, use oil. Cast iron and softer metals generally work better dry.

12

Use oil often, but not in such quantities as to run off from the work.

13

Entirely finish a job before applying for another, putting each tool in its place, and cleaning up your bench and machines.

14

Use waste with economy, and never throw it on the floor.

15

Endeavor to understand to what use the machine or piece you are making is to be put; what the number you are to make, and the progress you have made toward completing the job; and when completed, be sure you have the full number called for.

16

Be able to answer all reasonable questions relating to the kind of material you are working, its cost, and the cost of manufacturing.

17

Overalls should always be used while in the shop, and should not be worn more than one week without washing.

18

Singing or whistling, sitting or lounging upon the benches or machines are inconsistent with a manly bearing, and should not be indulged in.

19

Extra practice in the shop must be restricted to the time indicated upon the permits, which must in all cases be obtained in advance.

20

Private work cannot in general be allowed, but may be granted to members of the two higher classes in cases of special merit, provided the design be presented, and approved by the Superintendent, previous to the application for a permit.

M. P. HIGGINS,

Superintendent.

Toma At WPI

Monday, September 23, 8:00 p.m., Alden



NEWSPEAK

This
Week:

Letters on Trask Issue, P. 2
Grad School Notices, P. 5
Social Committee News, P. 6